Kyungbae Kim

List of Publications by Year in Descending Order

31 papers	354 citations	12 h-index	17 g-index
33 ext. papers	413 ext. citations	6 avg, IF	3.98 L-index

#	Paper	IF	Citations
31	Nano-spatially stable Si2O composite and its balanced electrochemical performance for Li rechargeable batteries. *Journal of Power Sources*, **2022**, 519, 230777	8.9	2
30	Surfactant-derived porous Sn2Nb2O7-graphene oxide composite as Li- and Na-ion storage materials. *Journal of Alloys and Compounds*, **2022**, 164943	5.7	0
29	SnS nanosheets on carbon foam as a flexible anode platform for rechargeable Li- and Na-ion batteries. *Applied Surface Science*, **2021**, 544, 148837	6.7	7
28	Novel synthesis of porous Si-TiO2 composite as a high-capacity anode material for Li secondary batteries. *Journal of Alloys and Compounds*, **2021**, 872, 159640	5.7	6
27	Scalable Synthesis and Electrochemical Properties of Porous Si-CoSi-C Composites as an Anode for Li-ion Batteries. *Materials*, **2021**, 14,	3.5	1
26	Spherical Sb Core/Nb2O5-C Double-Shell Structured Composite as an Anode Material for Li Secondary Batteries. *Energies*, **2020**, 13, 1999	3.1	4
25	Integrated porous cobalt oxide/cobalt anode with micro- and nano-pores for lithium ion battery. *Applied Surface Science*, **2020**, 525, 146592	6.7	10
24	Three-dimensional Ge/GeO2 shell-encapsulated Nb2O5 nanoparticle assemblies for high-performance lithium-ion battery anodes. *Electrochimica Acta*, **2020**, 340, 135952	6.7	12
23	Galvanically Replaced, Single-Bodied Lithium-Ion Battery Fabric Electrodes. *Advanced Functional Materials*, **2020**, 30, 1908633	15.6	4
22	Microstructure Design of Carbon-Coated Nb2O5Si Composites as Reversible Li Storage Materials. *Electronic Materials Letters*, **2020**, 16, 376-384	2.9	5
21	Manganese oxide on fluorine-doped SnO2 inverse opal frame as pseudocapacitor electrodes. *Ceramics International*, **2020**, 46, 22557-22563	5.1	2
20	Porous SiO composite tailored by scalable mechanochemical oxidation of Si for Li-ion anodes. *Electrochimica Acta*, **2020**, 357, 136862	6.7	5
19	Zn-induced synthesis of porous SiOx materials as negative electrodes for Li secondary batteries. *Journal of Alloys and Compounds*, **2019**, 803, 325-331	5.7	10
18	Facile and scalable synthesis of SiOx materials for Li-ion negative electrodes. *Journal of Power Sources*, **2019**, 436, 226883	8.9	24
17	Magnesium silicide-derived porous Sb-Si-C composite for stable lithium storage. *Journal of Alloys and Compounds*, **2019**, 782, 525-532	5.7	16
16	Impact of magnesium substitution in nickel ferrite: Optical and electrochemical studies. *Physica E: Low-Dimensional Systems and Nanostructures*, **2019**, 108, 100-104	3	10
15	Surface-controlled Nb2O5 nanoparticle networks for fast Li transport and storage. *Journal of Materials Science*, **2019**, 54, 2493-2500	4.3	12

14	Surface-oxidized, freeze-cast cobalt foams: Microstructure, mechanical properties and electrochemical performance. *Acta Materialia*, **2018**, 142, 213-225	8.4	17
13	Facile synthesis and electrochemical properties of carbon-coated ZnO nanotubes for high-rate lithium storage. *Ceramics International*, **2018**, 44, 18222-18226	5.1	10
12	Bottom-up self-assembly of nano-netting cluster microspheres as high-performance lithium storage materials. *Journal of Materials Chemistry A*, **2018**, 6, 13321-13330	13	14
11	Effect of Lithiation on the Microstructure of a Cobalt Foam Processed by Freeze Casting. *Advanced Engineering Materials*, **2018**, 20, 1800343	3.5	3
10	Nano Si embedded SiO x -Nb 2 O 5 -C composite as reversible lithium storage materials. *Journal of Alloys and Compounds*, **2017**, 699, 351-357	5.7	13
9	Si-SiOx-Al2O3 nanocomposites as high-capacity anode materials for Li-ion batteries. *Electronic Materials Letters*, **2017**, 13, 152-159	2.9	16
8	Effect of carbon coating on nano-Si embedded SiO x -Al 2 O 3 composites as lithium storage materials. *Applied Surface Science*, **2017**, 416, 527-535	6.7	20
7	Anode Design Based on Microscale Porous Scaffolds for Advanced Lithium Ion Batteries. *Journal of Electronic Materials*, **2017**, 46, 3789-3795	1.9	12
6	Niobium oxide nanoparticle core□morphous carbon shell structure for fast reversible lithium storage. *Electrochimica Acta*, **2017**, 240, 316-322	6.7	32
5	Synthesis and Electrochemical Reaction Mechanism of Zn-TiOx-C Nanocomposite Anode Materials for Li Secondary Batteries. *Journal of the Electrochemical Society*, **2017**, 164, A2683-A2688	3.9	7
4	Structural Modification of Self-Organized Nanoporous Niobium Oxide via Hydrogen Treatment. *Chemistry of Materials*, **2016**, 28, 1453-1461	9.6	43
3	Size-Controlled Synthesis of Copper Oxide Particles on Reduced Graphene Oxide for Lithium-Ion Battery Anode Applications. *Journal of Nanoscience and Nanotechnology*, **2015**, 15, 9039-44	1.3	2
2	Electrochemical behavior of manganese oxides on flexible substrates for thin film supercapacitors. *Electrochimica Acta*, **2015**, 153, 184-189	6.7	18
1	Mechanochemically Reduced SiO2 by Ti Incorporation as Lithium Storage Materials. *ChemSusChem*, **2015**, 8, 3111-7	8.3	17